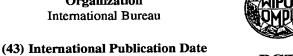
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- (71) Applicant (for all designated States except US): RE-GENTS OF THE UNIVERSITY OF CALIFORNIA [US/US]; 1111 Franklin Street, Oakland, CA 94607-5200 (US).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): SPEAR, A., Matthew [US/US]; 10680 Vista Del Agua, San Diego, CA 92121 (US).
- (74) Agents: CARROLL, Peter, G. et al.; Medlen & Carroll, LLP, Suite 350, 101 Howard Street, San Francisco, CA 94105 (US).

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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: FUNCTIONAL LIGAND DISPLAY

(57) Abstract: The present invention relates to methods involving the selection of peptides from complex displayed libraries to induce or detect signal transduction pathway activation. In one embodiment, the present invention provides methods for the selection of peptides capable of binding a viable cell and subsequently triggering or detecting programmed cell death (e.g., apoptosis). The present invention also provides compositions comprising the selected peptides suitable for medicinal and research use.





International application No.

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A. CLASSIFICATION OF SUBJECT MATTER  IPC( ): A61K 48/00; G01N 33/53; C12N 15/00, 1/20  US CL : 424/93.6; 435/7.2, 69.1, 252.3, 320.1, 325, DIG 2-4  According to International Patent Classification (IPC) or to both national classification and IPC						
	DS SEARCHED					
Minimum documentation searched (classification system followed by classification symbols) U.S.: 424/93.6; 435/7.2, 69.1, 252.3, 320.1, 325, DIG 2-4						
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched						
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) Please See Continuation Sheet						
C. DOCUMENTS CONSIDERED TO BE RELEVANT						
Category *	Citation of document, with indication, where ap		Relevant to claim No.  1-3, 6, 7, 9-11, 14, 15			
X 	US 2001/0055585 A1 (CANCE et al), 27 December 2001 (27.12.2001), see entire document, especially paragraphs 0043, 0044, 0077, 0081 and claims 18 & 22.		1-3, 6, 7, 9-11, 14, 13			
Y	aboumont, especially paragraphs of 10, 00 11, 00, 11,		4, 5, 8, 12, 13, 16			
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Further	r documents are listed in the continuation of Box C.	See patent family annex.				
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"A" document of particu	t defining the general state of the art which is not considered to be ular relevance	principle or theory underlying the inve	ention			
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	at published prior to the international filing date but later than the date claimed	"&" document member of the same patent	family			
Date of the actual completion of the international search		Date of mailing of the international sea	rch report			
Name and m	03 (07.04.2003) railing address of the ISA/US	Authorized officer				
Commissioner of Patents and Trademarks		Maurie G. Baker				
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## INTERNATIONAL SEARCH REPORT

ategory *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No
Y	SPEAR et al. Isolation, Characterization and Recovery of Small Peptide Phage Display Epitopes Selected against Viable Malignant Glioma Cells. Cancer Gene Therapy. 2001, Vol. 8, No. 7, pp. 506-511, see entire document.	1-16
Y	US 6,287,874 B1 (HEFTI) 11 September 2001 (11.09.2001), see entire document, especially claims.	1-16
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INTERNATIONAL REPORT	PC170303/0142
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Continuation of B. FIELDS SEARCHED Item 3: WEST, STN (BIOSIS, EMBASE, CAPlus, SciSearch, Medline) Terms: phage, display, library, cancer, cell, leukemia, indicator, screen?, fluore	esc?, annexin v
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